

We claim:

- 5 1. The use of luster pigments based on a platelet-shaped metallic substrate coated with a low refractive dielectric layer which does not absorb visible light, for pigmenting macromolecular materials.
2. The use of claim 1 wherefor said dielectric layer has a refractive index  $n < 1.8$ .
- 10 3. The use of claim 1 or 2 wherefor said dielectric layer is from 100 to 800 nm in thickness.
4. The use of any of claims 1 to 3 wherefor said dielectric layer is from 250 to 450 nm in thickness.
- 15 5. The use of any of claims 1 to 4 wherefor said substrate is an aluminum platelet.
6. The use of any of claims 1 to 5 wherefor said dielectric layer consists essentially of silicon dioxide and/or silicon oxide hydrate.
- 20 7. The use of any of claims 1 to 6 wherefor said luster pigments are provided with an additional colorless outside layer of a surface-modifying agent to enhance compatibility with said macromolecular materials to be pigmented.
- 25 8. The use of any of claims 1 to 7 wherefor said macromolecular materials to be pigmented are plastics, coatings, painting and printing colors, inks, glasses or inorganic/organic composites.
9. Macromolecular materials pigmented with said luster pigments of any of claims 1 to 7.